

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/13063

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C07K16/18, C12P21/08, A61K39/395, A61P35/00, A61P37/02, A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C07K16/18, C12P21/08, A61K39/395, A61P35/00, A61P37/02, A61P43/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI (DIALOG), BIOSIS (DIALOG), JSTPlusu (JOIS), GeneBank/EMBL/DBJ/GenSeq, SwissProt/PIR/GenSeq

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X<br>A    | GENESTIER L. et al., Fas-independent apoptosis of activated T cells induced by antibodies to the HLA class I $\alpha 1$ domain., Blood 1997, Vol.90, No.9, pages 3629 to 3639        | 1-3<br>4-23           |
| X<br>A    | MATSUOKA S. et al., A novel type of cell death of lymphocytes induced by monoclonal antibody without participation of complement., J.Exp.Med.1995, Vol.181, No.6, pages 2007 to 2015 | 1-3<br>4-23           |
| X<br>A    | FAYEN J. et al., Negative signaling by anti-HLA class I antibodies is dependent upon two triggering events., Int.Immunol.1998, Vol.10, No.9, pages 1347 to 1358                      | 1-3<br>4-23           |

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
05 November, 2003 (05.11.03)Date of mailing of the international search report  
18 November, 2003 (18.11.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| Y<br>A    | ONO K. et al., The humanized anti-HM1.24 antibody effectively kills multiple myeloma cells by human effector cell-mediated cytotoxicity., Mol.Immunol. 1999, Vol.36, No.6, pages 387 to 395             | 1-4<br>5-23           |
| Y<br>A    | OHTOMO T. et al., Molecular cloning and characterization of a surface antigen preferentially overexpressed on multiple myeloma cells., Biochem. Biophys.Res.Comm. 1999, Vol.258, No.3, pages 583 to 591 | 1-4<br>5-23           |
| Y<br>A    | OZAKI S. et al., Humanized anti-HM1.24 antibody mediates myeloma cell cytotoxicity that is enhanced by cytokine stimulation of effector cells., Blood 1999, Vol.93, No.11, pages 3922 to 3930           | 1-4<br>5-23           |